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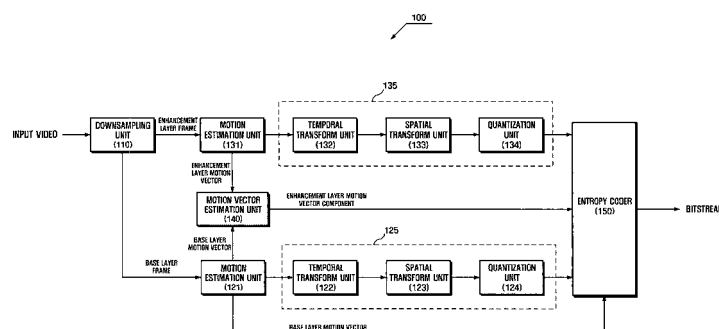
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(54) Method and apparatus for compressing motion vectors in video coder based on multi-layer

(57) A method and apparatus of improving the compression efficiency of a motion vector by efficiently predicting a motion vector in an enhancement layer (L_n) from a motion vector in a base layer (L_{n-1}) in a video coding method using a multi-layer are provided. The method includes obtaining a motion vector in a base layer frame having a first frame rate from an input frame, obtaining a motion vector in a first enhancement layer frame having a second frame rate from the input frame, the second frame rate being greater than the first frame rate, gener-

ating a predicted motion vector by referring to a motion vector for at least one frame among base layer frames present immediately before (B_0) and after (B_2) the same temporal position as the first enhancement layer frame (A_1) if there is no base layer frame at the same temporal position as the first enhancement layer frame, and coding a difference between the motion vector in the first enhancement layer frame and the generated predicted motion vector, and the obtained motion vector in the base layer.

FIG. 6





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Place of search Munich		Date of completion of the search 28 March 2006	Examiner Cakiroglu, S
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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